

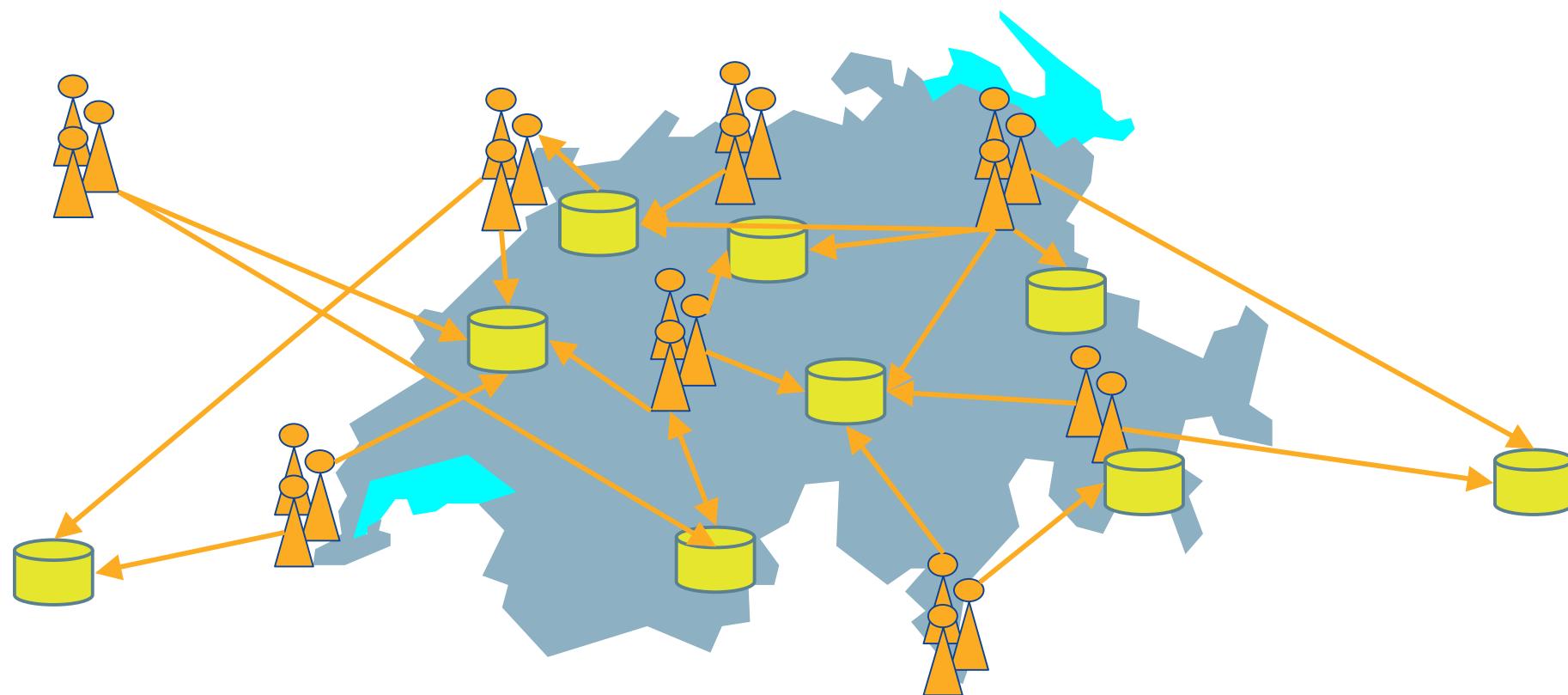


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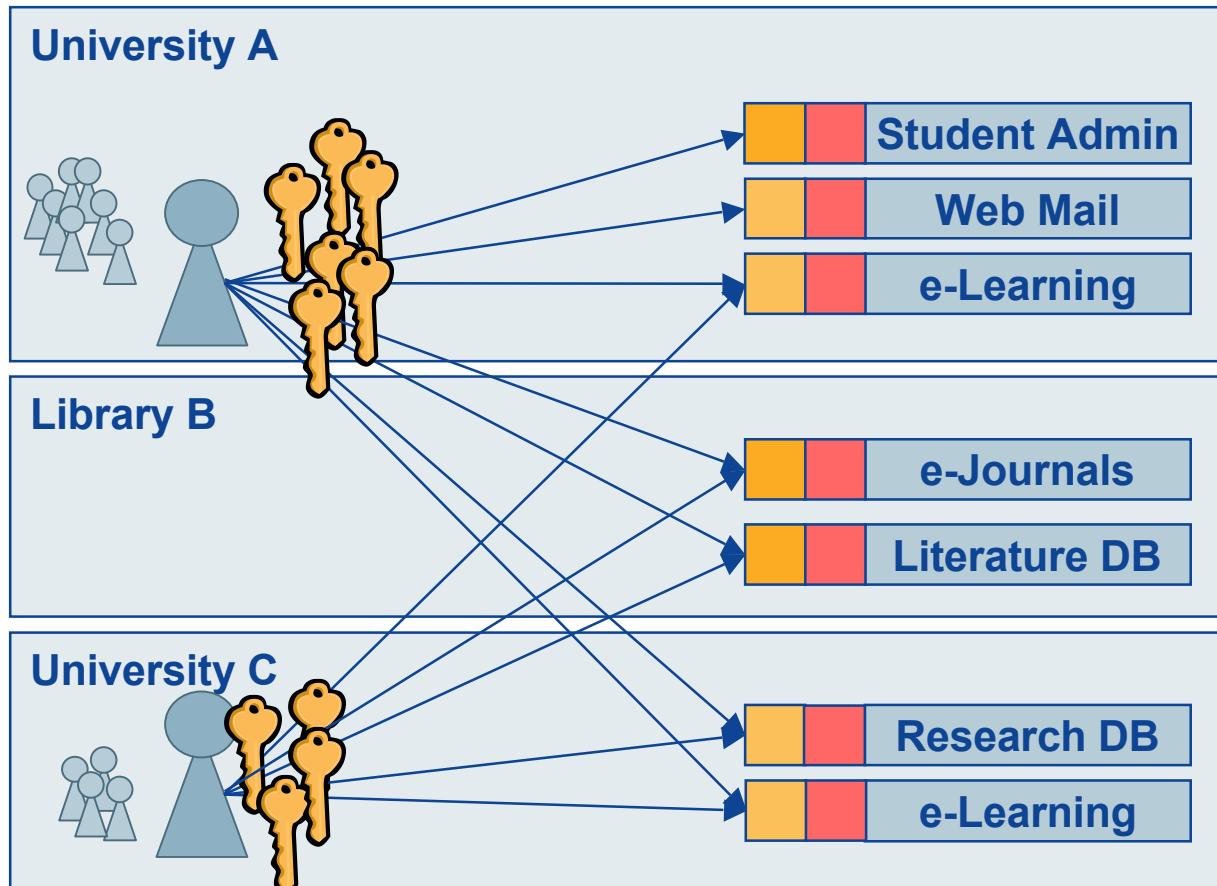
Introduction to AAI

Ueli Kienholz, <kienholz@switch.ch>

The AAI Vision



Without AAI



- Tedious user registration at all resources
- Unreliable and outdated user data at resources
- Different login processes
- Many different passwords
- Many resources not protected due to difficulties
- Often IP-based authorization
- Costly implementation of inter-institutional access

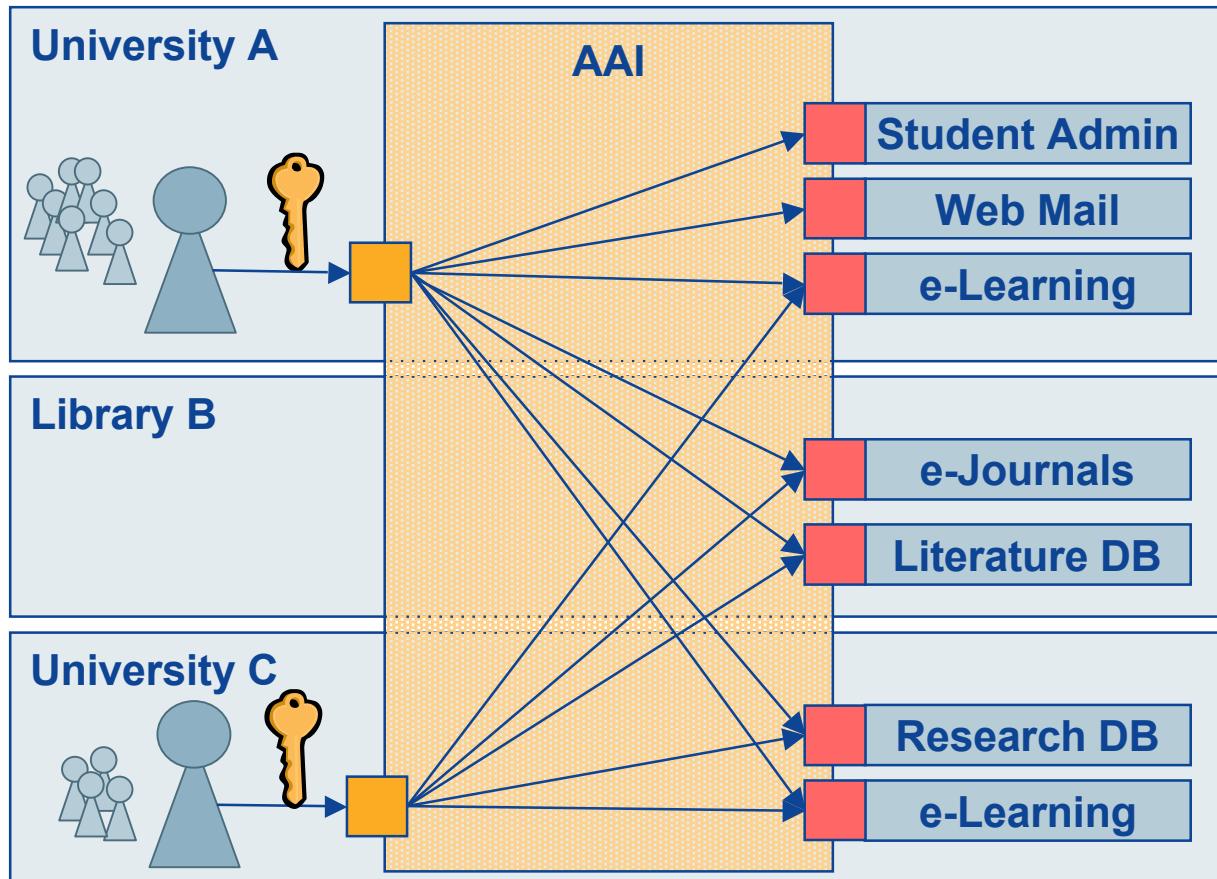


Credentials

User Administration
Authentication

Authorization

Resource



- No user registration and user data maintenance at resource needed
- Single login process for the users
- Many new resources available for the users
- Enlarged user communities for resources
- Authorization independent of location
- Efficient implementation of inter-institutional access



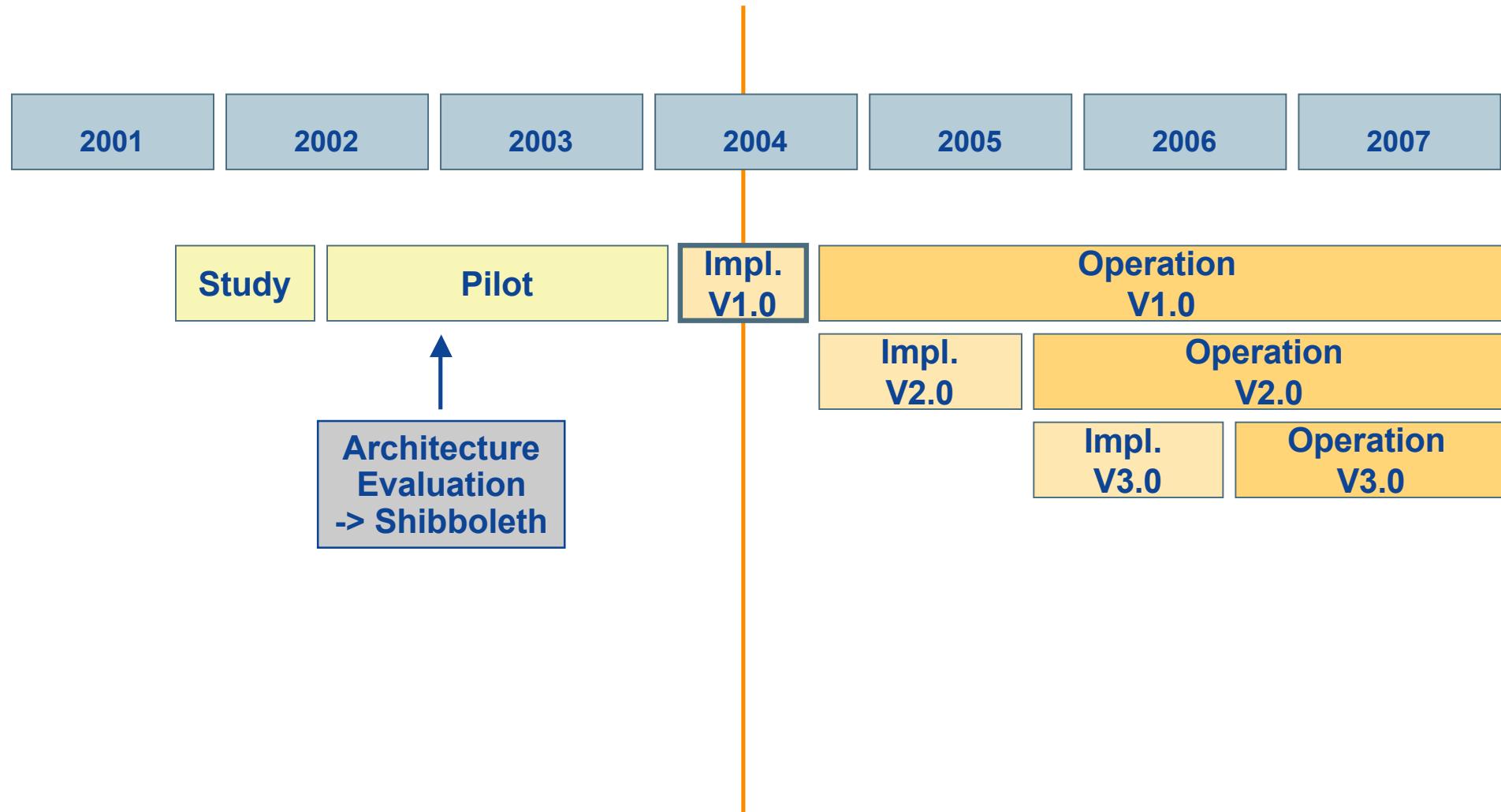
Credentials

User Administration
Authentication

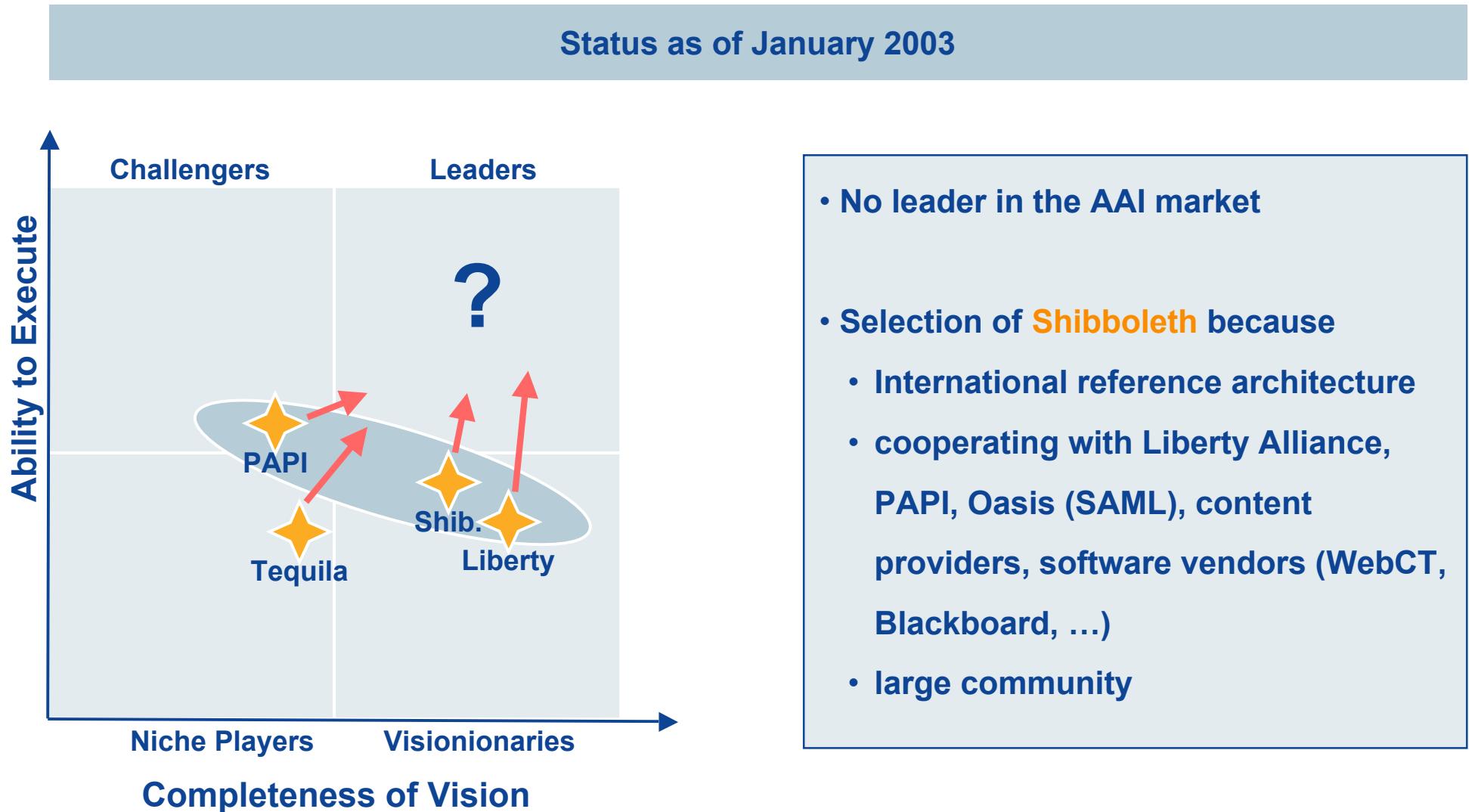
Authorization

Resource

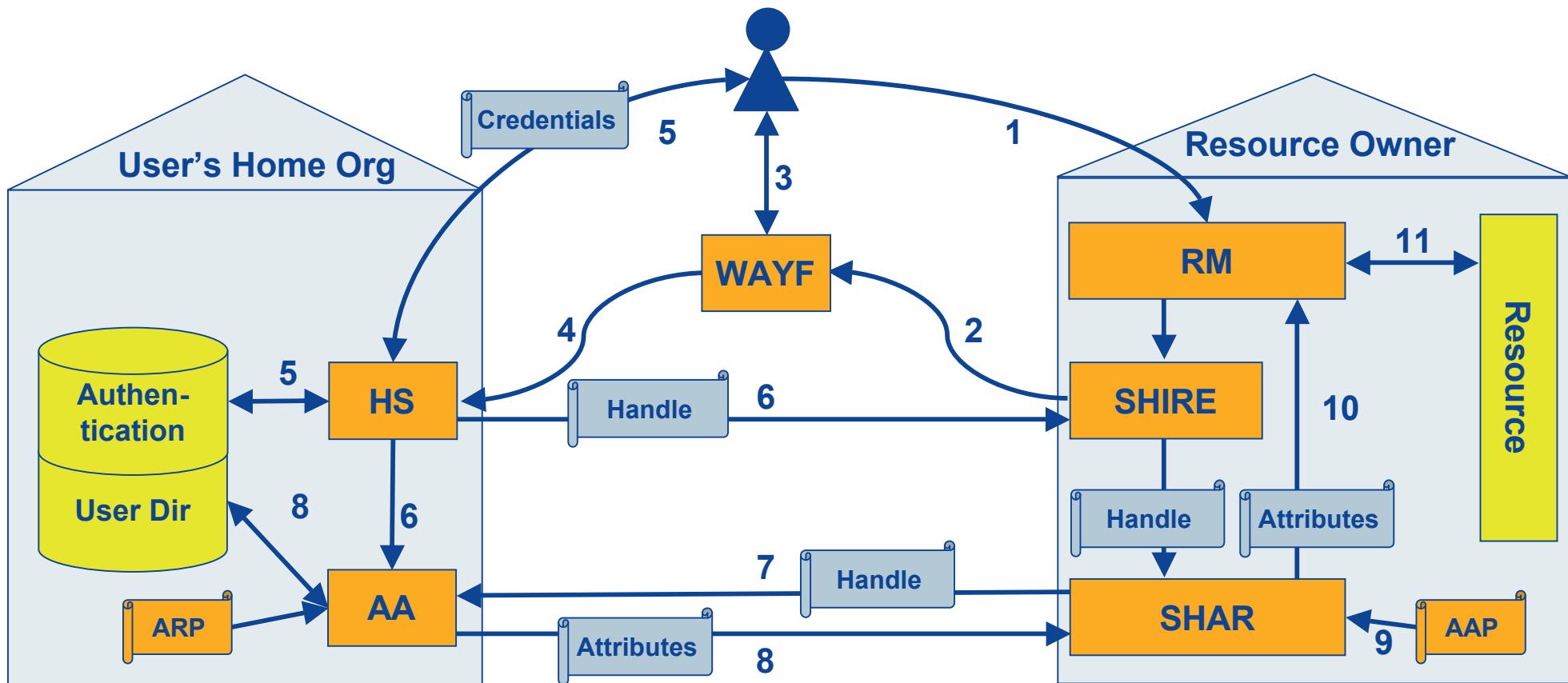
SWITCHaai Project Planning



Architecture Evaluation



Shibboleth Process: The Details



HS Handle Server

AA Attribute Authority

WAYF 'Where Are You From'-Server



Shibboleth AAI Components

RM Resource Manager

SHIRE Shibboleth Indexical Reference Establisher

SHAR Shibboleth Attribute Requestor

<http://www.switch.ch/pki/import.html>

Safari (für OS 10.3 Panther)

- Download Certificate
- Doubleclick on File
- X509 Anchors
- Keychain Password = Administrator Password
- Keychain Access -> Quit Keychain Access

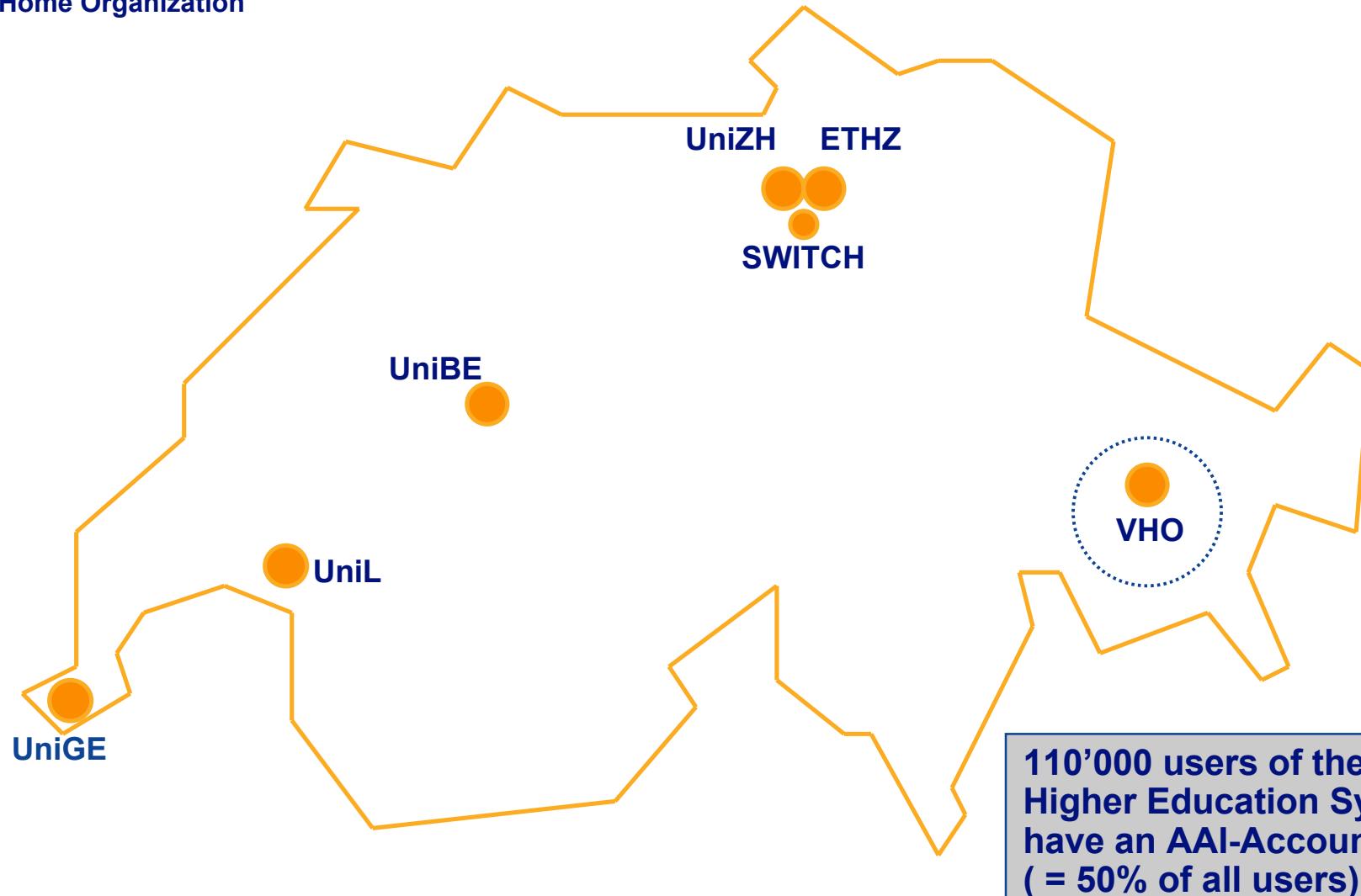
Internet Explorer (Windows)

- Click on Certificate
- Open
- Install Certificate
- Defaults OK

SWITCHaai Status - Home Organizations

SWITCH
The Swiss Education & Research Network

● AAI Home Organization



Demo User Accounts

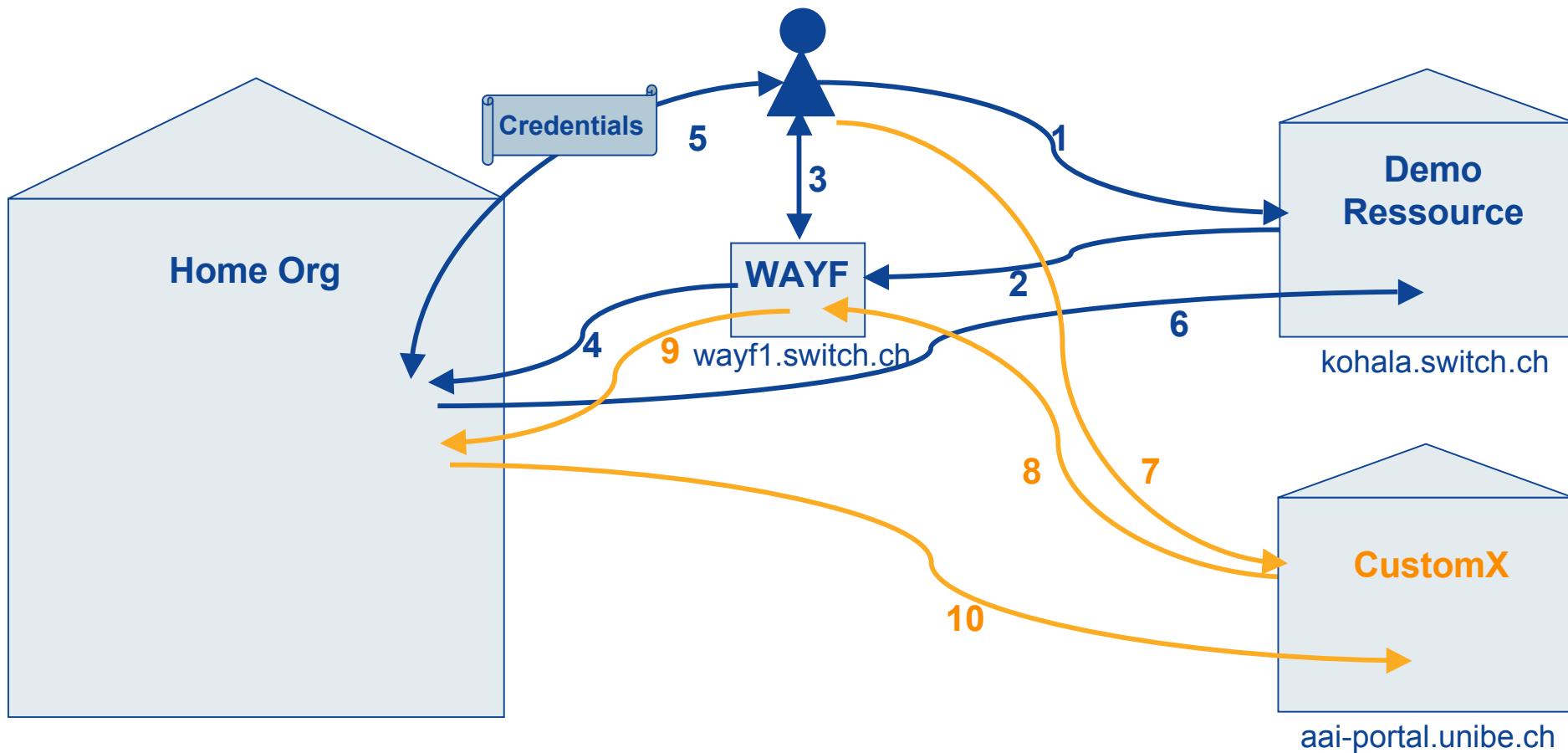


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- Username: demo1 .. demo30 (according number on nametag)**
- Password: demo**
- Home Organisation: Test Home Organization @SWITCHaai**

- <http://www.switch.ch/aai>
 - > Demo
 - > Try it yourself
(<https://kohala.switch.ch/secure>)

Single Sign On



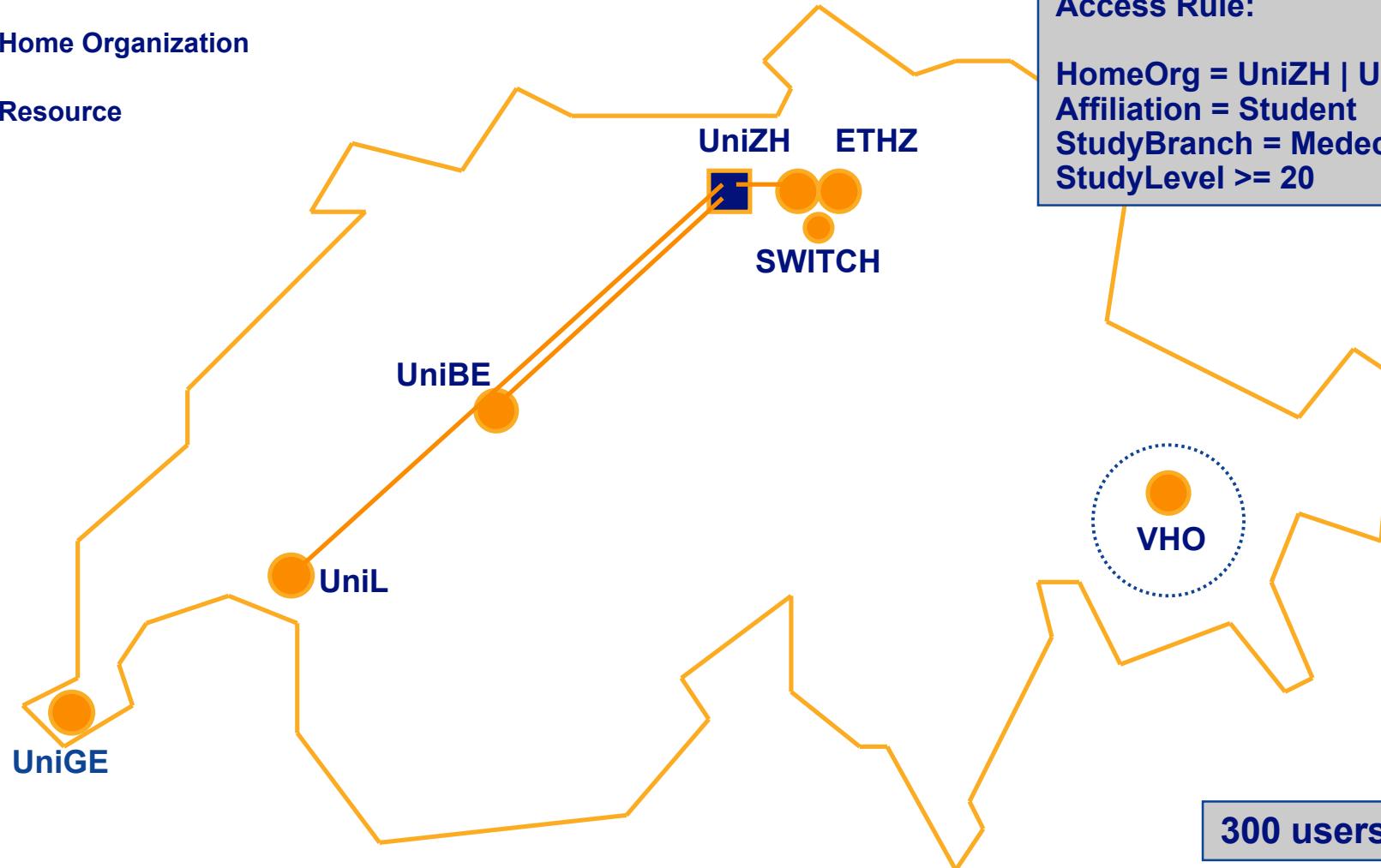
<https://aai-portal.unibe.ch/aai-portal/user/aai>

Showcase 1: DOIT

DOIT: Dermatology Online with Interactive Technology

● AAI Home Organization

■ AAI Resource

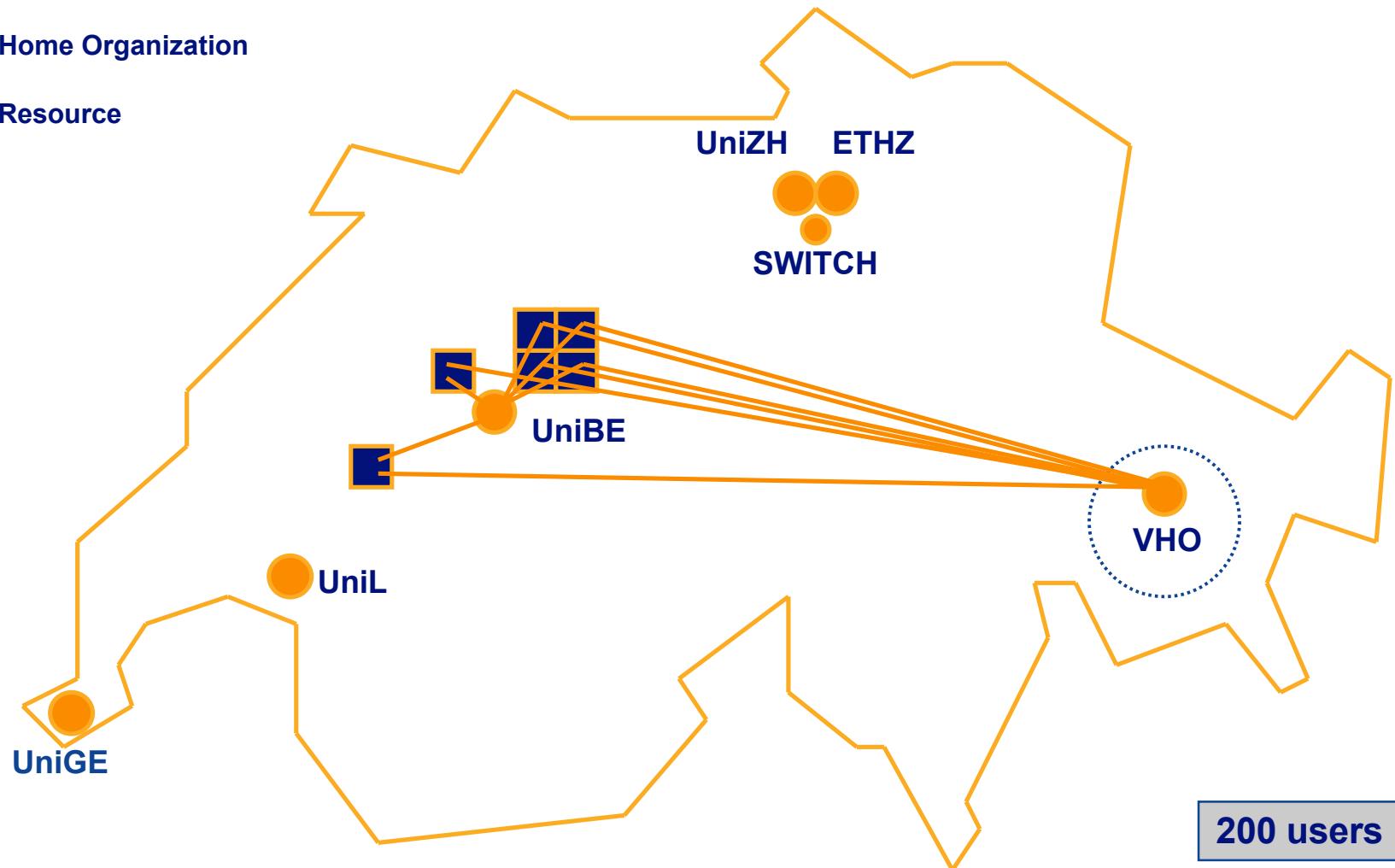


Showcase 2: VITELS

VITELS: Virtual Internet and Telecommunications Laboratory of Switzerland

● AAI Home Organization

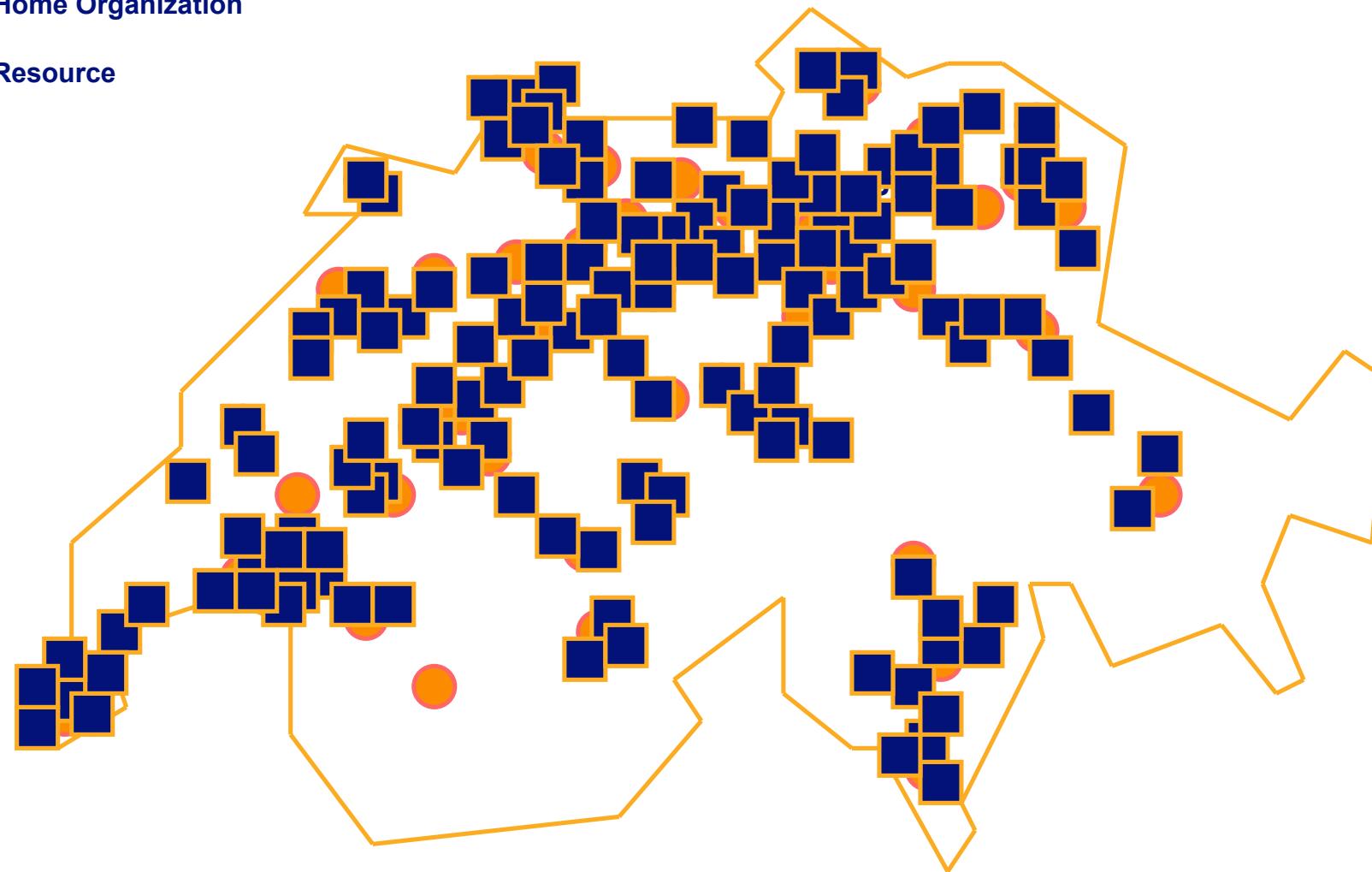
■ AAI Resource



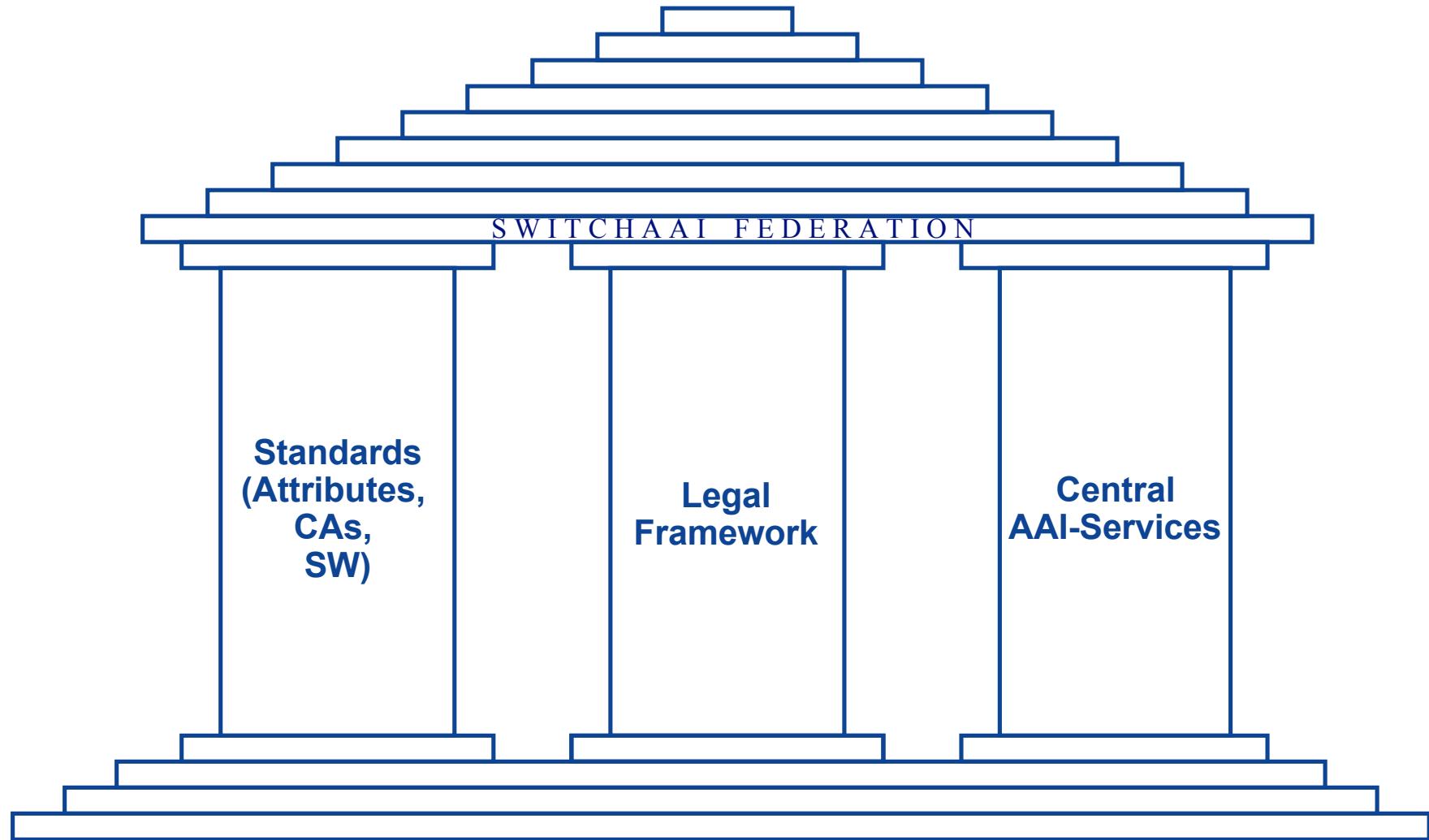
The Goal (mid 2006)

● AAI Home Organization

■ AAI Resource

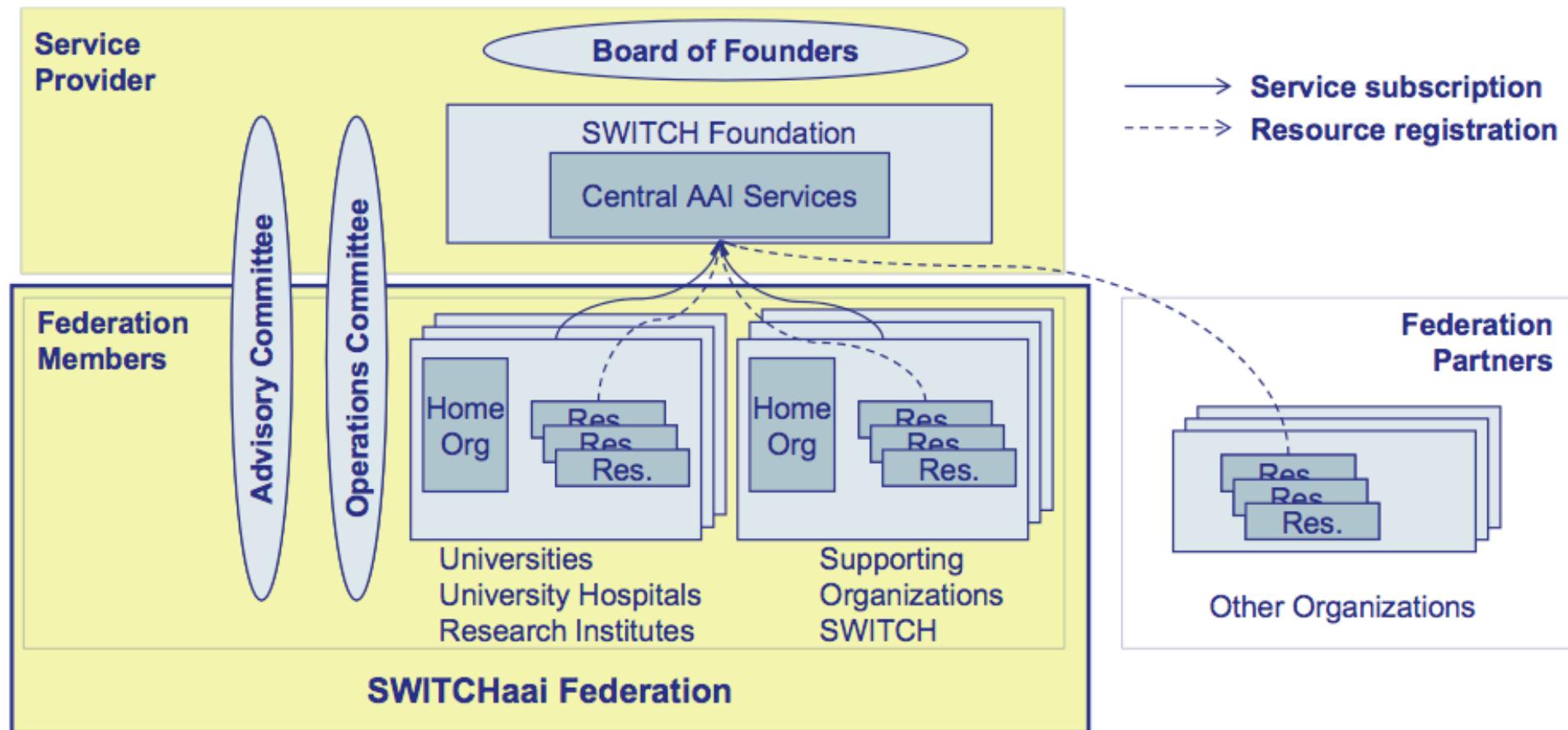


The SWITCHaai Federation

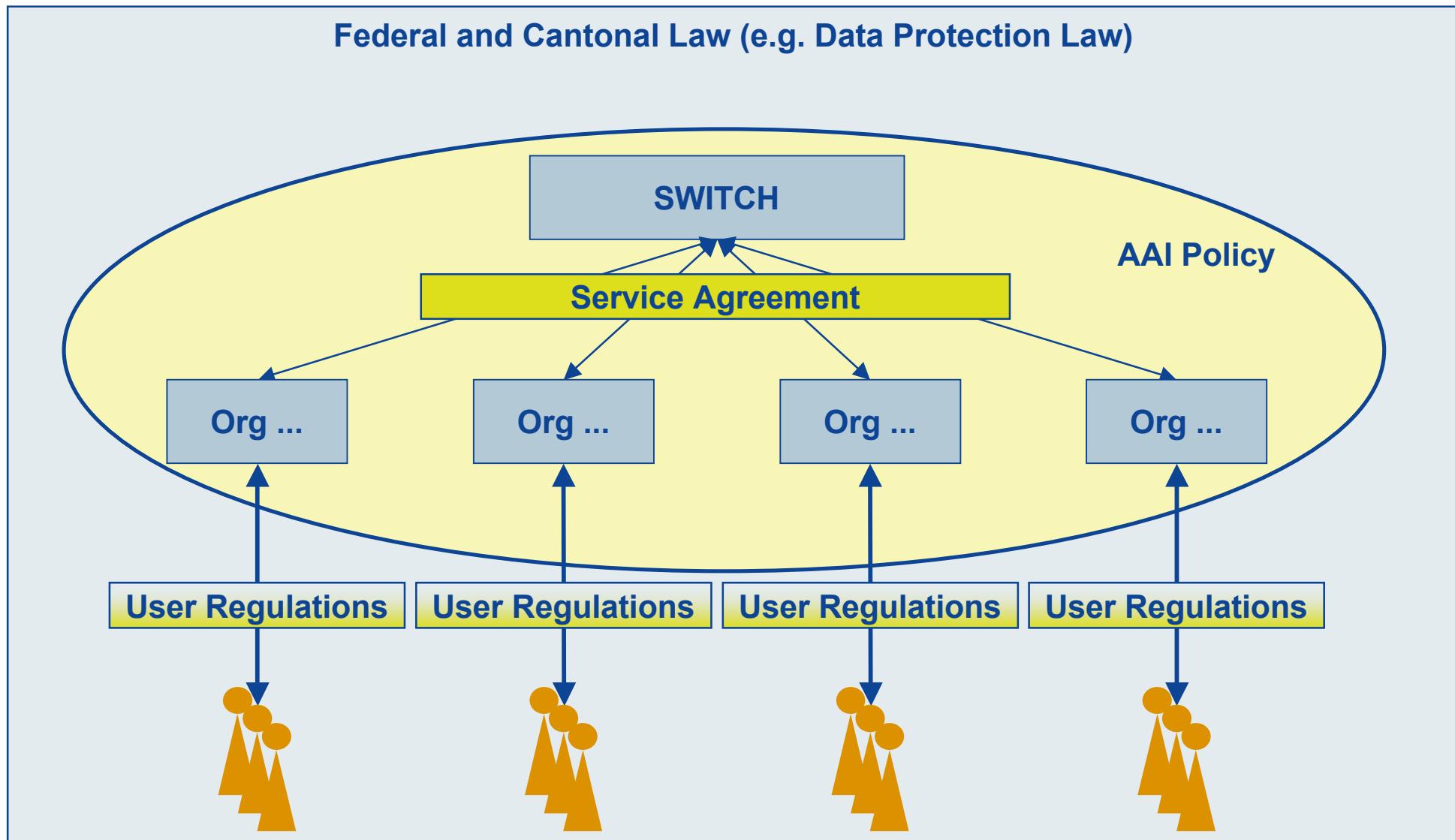


SWITCH acts as federation service provider

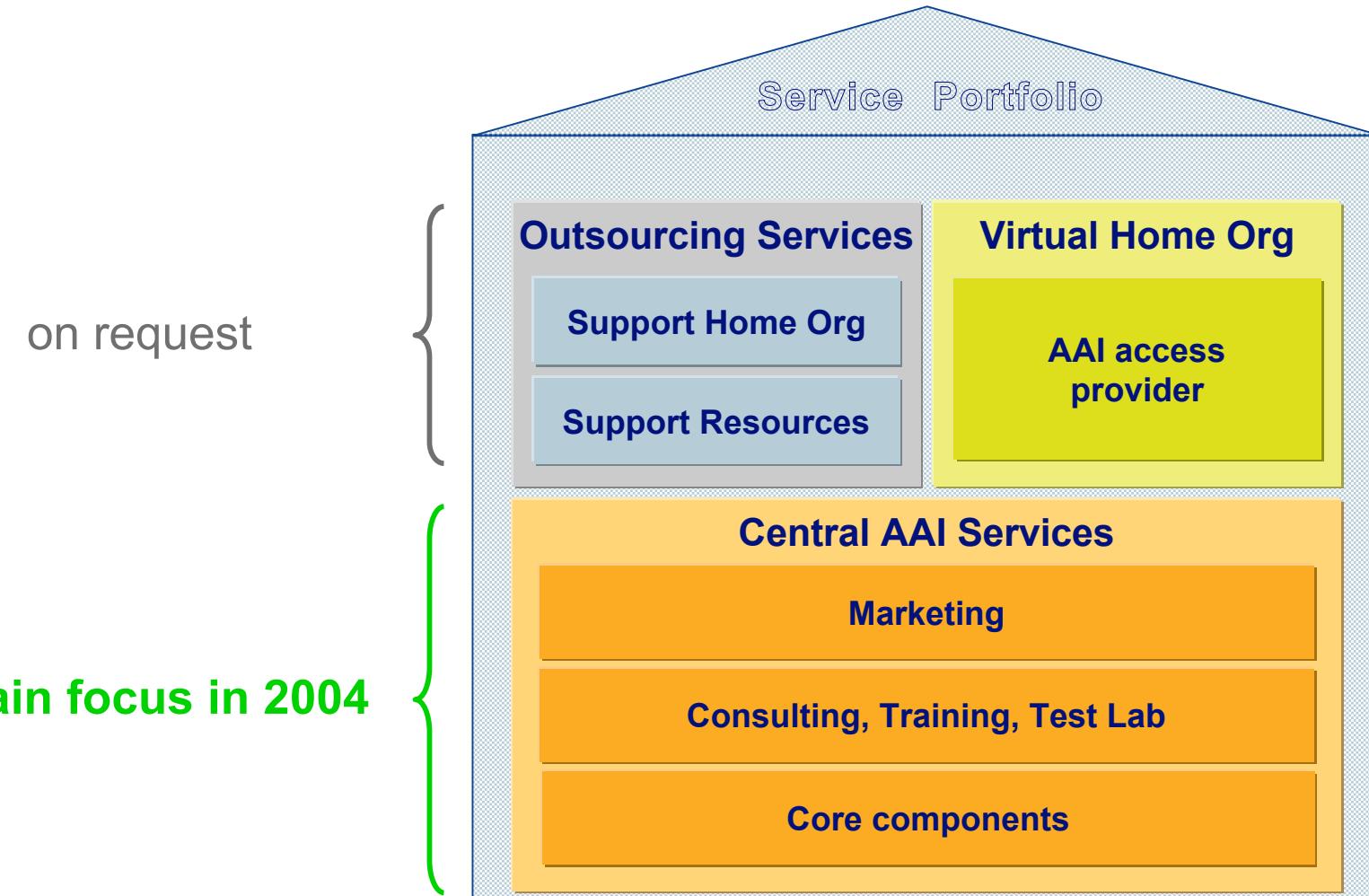
Federation membership based on signed service agreements



Legal Framework



SWITCHaai Service Portfolio



- **Strategy & Marketing**
- **Support, Consulting, Training**
- **Providing Federation-specific Files and Configuration Guides**
- **Operating WAYF (Where Are You From Server)**
- **Test-HomeOrg and Test-Resource**
- **Tools (AAIportal, AAIproxy)**
- **Virtual Home Organization**

Further Information

- **Shibboleth:**
<http://shibboleth.internet2.edu/>
- **Shibboleth Demo:**
<http://www.switch.ch/aai/demo>
- **Pilot Results Report:**
http://www.switch.ch/aai/docs/AAI_Pilot_Results.pdf
- **Attribute Specification:**
http://www.switch.ch/aai/docs/AAI_Attr_Specs.pdf